

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	913	"257/e33.059.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 11:35
L3	971	257/100.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 11:36
L4	1006	438/30.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 11:36
L5	926	438/29.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 11:36
S3	35	(yoshikatsu near imazeki).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 15:04
S4	49	(kazuyoshi near sakai).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 15:45
S5	1532	(438/16,27,65).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/26 14:39
S6	48099	"electro-optical" electro adj optical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 09:02

## EAST Search History

S8	1	Baghdasaryan	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 09:03
S9	387	Chmela	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 09:03
S10	0	Chmela and LCD	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 09:03
S11	86	Chmela and light	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 09:03
S12	517974	Chmela and light emitting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 09:03
S13	4	Chmela and light and emitting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 09:04
S14	1	JP2003060512	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:44
S15	86724	sealant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:44
S16	511406	LCD "liquid crystal display" "liquid crystal"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:45

## EAST Search History

S17	7384	S16 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:45
S18	251596	protect\$3 near (layer film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:46
S19	1266	S17 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:47
S20	3628823	electro\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:48
S21	1222	S19 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:47
S22	103732	(first and second ) near electro\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:48
S23	327	S19 and S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:49
S24	230964	conduct\$4 near (unit layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:50
S25	182	S23 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:50

## EAST Search History

S26	1430408	(electrically near connect\$2) interconnect\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:51
S27	152	S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:56
S28	123	(first adj electrode) near2 larger near2 (second adj electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 14:03
S31	1	S27 and S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 11:55
S32	30	S25 not S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/22 14:37
S33	145	S23 not S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/23 08:23
S34	49	(SAKAI near KAZUYOSHI).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/23 08:23
S35	7	"6509942"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/23 09:05
S37	739	(257/57).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/23 09:06

## EAST Search History

S38	11	S37 and sealant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/23 09:10
S39	2587	257/778.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/23 09:10
S40	92	S39 and sealant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/23 09:10
S41	7	S39 and sealant and (LCD "liquid crystal display" " liquid crystal device" "liquid crystal element")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/23 09:12
S42	1659	349/113.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/23 09:28
S43	102	S42 and sealant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/23 09:29
S44	9	((("2000199915") or ("10111515") or ("8179332") or ("2002214627")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/10 12:28
S45	5	((("6466294") or ("6288764"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/10 12:30
S46	0	("JP2000199915A").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/10 12:30

## EAST Search History

S47	2	("2000199915").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/10 12:30
S48	1	("20020005928").PN.	US-PGPUB	OR	OFF	2005/11/10 15:06
S52	299786	("257").CLAS.	US-PGPUB; USPAT; JPO	OR	OFF	2006/01/11 10:06
S55	2	("20050212036").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 08:50
S56	1815	349/113.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/10 09:30
S60	2	"20020005928"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/05 14:01
S69	76743	thin adj film adj transistor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 14:44
S70	86027	color adj filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 14:45
S71	16451	S69 and S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 14:46
S72	6185	S71 and insulat\$3 and protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 15:20

## EAST Search History

S73	5834	S72 and substrate and pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 15:22
S74	4525	S73 and semiconductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 15:22
S75	2463	S74 and @ad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 15:23
S76	131	S75 and solder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 15:31
S77	35	S75 and photosensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 15:26
S78	485	S75 and sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 15:26
S79	1483	349/149.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/26 15:31
S80	366	S79 and S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 12:45
S81	444434	"liquid crystal display" LCD	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 12:46

## EAST Search History

S82	594555	liquid adj crystal LCD	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 12:47
S83	9777	S82 and conductive and protect\$3 near2 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 12:49
S84	46966	S82 and color adj filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 12:49
S85	2871	S84 and sealant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 13:23
S86	18043	S84 and (sealant resin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 13:27
S87	7504	S86 and extend\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 13:40
S88	6703	S87 and electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 13:43
S89	2879	S88 and wiring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 13:56
S90	54189	electro near optical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 13:57



## EAST Search History

S91	793	S89 and S90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 15:14
S92	2739	S90 and (second near substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 15:16
S93	92	S90 and (inter-substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 15:23
S94	428	S91 and @ad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 15:24
S95	428	S91 and @ad<"20030401"	US-PGPUB; USPAT	OR	ON	2006/10/27 15:24
S96	276	S91 and @ad<"20030401"	USPAT	OR	ON	2006/10/27 15:24
S97	3	"6927818"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 00:37
S98	9	("20020018325"   "20020154263"   "20020163614"   "5640216"   "5671030"   "6850308"   "6894758"   "6922225"   "6927818").PN. OR ("7053971").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 00:37
S99	87513	(bump or ball) with (sealing seal sealant encapsulant encapsulat\$3 resin adhesive adhesion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 06:19
S10 0	20708	(bump or ball) with (sealing seal sealant encapsulant encapsulat\$3 resin adhesive adhesion) with (substrate wafer component die chip pcb board)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 06:19

## EAST Search History

S10 1	28555	(bump or ball) with (sealing seal sealant encapsulant encapsulat\$3 resin adhesive adhesion) same (substrate wafer component die chip pcb board)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 06:19
S10 2	9977	(bump or ball) with (sealing seal sealant encapsulant encapsulat\$3 resin adhesive adhesion) near3 (substrate wafer component die chip pcb board)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 06:20
S10 3	2952	(bump or ball) near3 (sealing seal sealant encapsulant encapsulat\$3 resin adhesive adhesion) near3 (substrate wafer component die chip pcb board)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 06:20
S10 4	41	S103 and color adj filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 06:20
S10 5	40	S103 and color adj filter	US-PGPUB; USPAT	OR	ON	2006/11/09 06:51
S10 6	561	(349/151 349/147 349/157).ccls.	US-PGPUB; USPAT	OR	ON	2006/11/09 06:51
S10 7	41	S103 and color adj filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 06:51
S10 8	9	S106 and resin and seal\$3 and encapsulat\$3 and "color filter"	US-PGPUB; USPAT	OR	ON	2006/11/09 06:51
S10 9	9	S106 and resin and seal\$3 and encapsulat\$3 and filter	US-PGPUB; USPAT	OR	ON	2006/11/09 06:52
S11 0	142	S106 and resin and seal\$3 and (photosensor sensor filter photodiode)	US-PGPUB; USPAT	OR	ON	2006/11/09 06:57
S11 1	3	"6703643"	US-PGPUB; USPAT	OR	ON	2006/11/09 06:57
S11 2	446821	"liquid crystal display" LCD	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 10:54

## EAST Search History

S11 3	3029	("liquid crystal display" LCD) and sealant and spacer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 09:55
S11 4	1069	("liquid crystal display" LCD) same sealant same spacer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 09:55
S11 5	216	("liquid crystal display" LCD) same sealant same spacer same filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 10:37
S11 6	101	S115 and @ad<"20030401"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 09:56
S11 7	12544	"energy lab"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 10:52
S11 8	12461	"energy lab".as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 10:52
S11 9	2	S114 and S118	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 10:54
S12 0	17222	SEMICONDUCTOR adj ENERGY. as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 10:54
S12 1	567	S113 and S120	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 10:55

## EAST Search History

S12 2	309	S114 and S120	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 10:55
S12 3	1769	(349/151 349/155).ccis.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 11:37
S12 4	527	S112 and S123 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 11:38
S12 5	491	S112 and S123 and color near filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 11:38
S12 6	491	S112 and S123 and (color adj filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 11:38
S12 7	201	S126 and adhes\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 11:39
S12 8	1	(electro-optical and substrate and inter-substrate and sealant and electrode and protection).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 10:40

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	(electro-optical and substrate and inter-substrate and sealant and electrode and protection).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 10:40